



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/775,745

02/09/2004

Eric Theodore Bax

1524

7590

08/24/2006

Eric Bax
iSpheres Corporation
640 Third St.
Oakland, CA 94607

EXAMINER

PANNALA, SATHYANARAYA R

ART UNIT

PAPER NUMBER

2164

DATE MAILED: 08/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/775,745

Applicant(s)

BAX, ERIC THEODORE

Examiner

Sathyanarayan Pannala

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Application No. 10/775,745 filed on 2/9/2004 has been examined. In this Office Action, claims 1-5 are pending.

Priority

2. Applicant is claiming the benefit of priority under 35 U.S.C. 119(e) since a U.S. Provisional Application No. 60/449,008 is filed on 2/24/2003. So, the examiner honors the priority as per statutory law.

Drawings

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, only one drawing of basic kind will not describe any information about the current invention or claims and drawings must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure

number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-5 are rejected under 35 U.S.C. 102(b) based upon a public use or sale of the invention and as being anticipated by Kaplan (US Patent 5,721,939) hereinafter Kaplan.

6. As per independent claim 1, Kaplan teaches a method for tokenizing text by advancing a character by character or breadth first bases by determining all possible tokenization for the text up to a given character position, and for outputting all correct tokenization when all of them are compatible with the text after that character position (col. 2-3, line 66 to line 4). Kaplan teaches the claimed, a method for performing multi-counter evaluation of a text, said method comprising applying to the text a finite-state machine augmented with state value lists, where each state value list indicates which counter scores receive which values for the state, and state scores are accumulated separately for each counter, producing a list of counter scores (Fig. 10, col. 4-5, line 53 to line 15).

7. As per independent claim 2, Kaplan teaches a method for tokenizing text by advancing a character by character or breadth first bases by determining all possible tokenization for the text up to a given character position, and for outputting all correct tokenization when all of them are compatible with the text after that character position (col. 2-3, line 66 to line 4). Kaplan teaches the claimed, a method for performing multi-counter evaluation of a text, said method comprising applying to the text a finite-state machine augmented with state value lists, where each state value list indicates which patterns in which counters are found when the state is entered and a list of found patterns is produced for each counter (Fig. 3-4, col. 8, lines 53-67).

8. As per independent claim 3, Kaplan teaches a method for tokenizing text by advancing a character by character or breadth first bases by determining all possible tokenization for the text up to a given character position, and for outputting all correct tokenization when all of them are compatible with the text after that character position (col. 2-3, line 66 to line 4). Kaplan teaches the claimed, a method for constructing a finite-state machine augmented with state value lists, said method comprising the steps of: providing an empty augmented finite-state machine that has only a start state, with no transitions and no value list, accumulating each finite-state machine that corresponds to pattern-amount pairs into the augmented finite-state machine (Fig. 3, 9, col. 11-12, line 49 to line 21).

9. As per dependent claim 4, Kaplan teaches the claimed, the step of: forming states for the merged machine that correspond to pairs of states that can be reached by starting the finite-state machine and augmented finite-state machine in the start states and applying the machines to a text in unison, with each machine advancing through each text character simultaneously, forming states for the merged machine that correspond to one machine having halted while the other continues to advance through text, for each merged machine state, if there is a corresponding augmented finite-state machine state and it has a value list, then copying the value list to form the value list for the new state, for each merged machine state, if there is a corresponding finite-state machine state, it has value, and the merged machine state has no value list, then forming a new empty value list for the merged machine state, for each merged machine

state, if there is a corresponding finite-state machine state and it has value, then adding a reference to the counter corresponding to the finite-state machine and the value to the value list for the merged machine state, for each merged machine state with a corresponding augmented finite-state machine state and a corresponding finite-state machine state, for each character in transitions from both states, forming a transition for the merged machine state, with destination the merged machine state corresponding to the states that are the destinations of the transitions, for each merged machine state with a corresponding augmented finite-state machine state and a corresponding finite-state machine state, for each character in a transition from only one of the corresponding states, forming a transition for the merged machine state, with destination the merged machine state corresponding to the state that is the destination of the transition and the machine without the transition having halted, for each merged machine state with a corresponding augmented finite-state machine state or a corresponding finite-state machine state but not both, for each character in a transition from the corresponding state, forming a transition for the merged machine state, with destination the merged machine state corresponding to the state that is the destination of the transition and the machine without the transition having halted (examiner interpreted by repeating the process of Kaplan will achieve the same result) (col. 5, lines 16-32).

10. As per independent claim 5, Kaplan teaches a method for tokenizing text by advancing a character by character or breadth first bases by determining all possible

Art Unit: 2164

tokenization for the text up to a given character position, and for outputting all correct tokenization when all of them are compatible with the text after that character position (col. 2-3, line 66 to line 4). Kaplan teaches the claimed, a method for adding a pattern that consists of a single sequence and a corresponding pattern value from a counter to an augmented finite-state machine, said method comprising the steps of: providing a pattern, providing a corresponding pattern value, providing an augmented finite-state machine having a plurality of machine states, advancing through the machine states as by applying the machine to the sequence as a text, if the machine would halt when applied to the sequence as a text, then adding states and transitions to the machine to prevent halting; for the final state that would be reached by the machine supplemented with the added states and transitions, forming a state value list if the state lacks one, and adding to the state value list a reference to the counter and the pattern value (col. 5-6, line 33 to line 7).

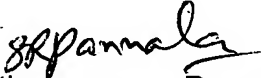
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sathyanarayan Pannala whose telephone number is (571) 272-4115. The examiner can normally be reached on 8:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2164

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Sathyanarayan Pannala
Examiner
Art Unit 2164

srp
August 19, 2006